

# ACAM Flight Report

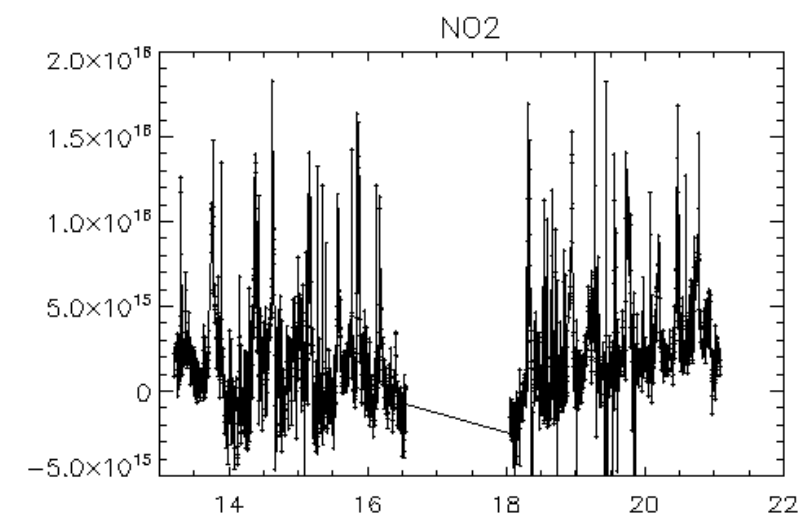
## Flight #10 – 07/22/2011

### Operations and instrument status

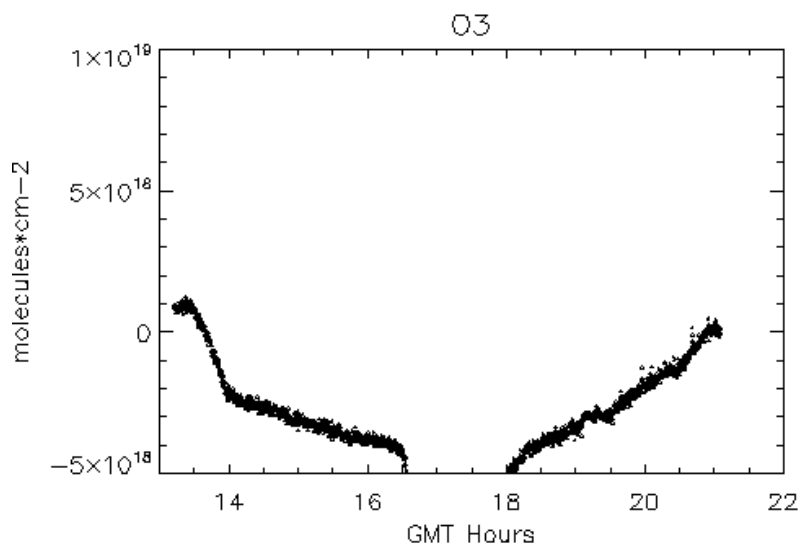
Instrument performance was normal.

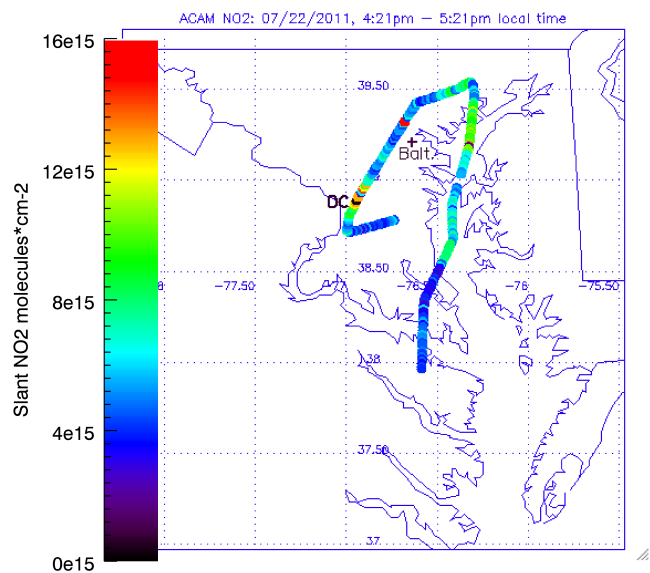
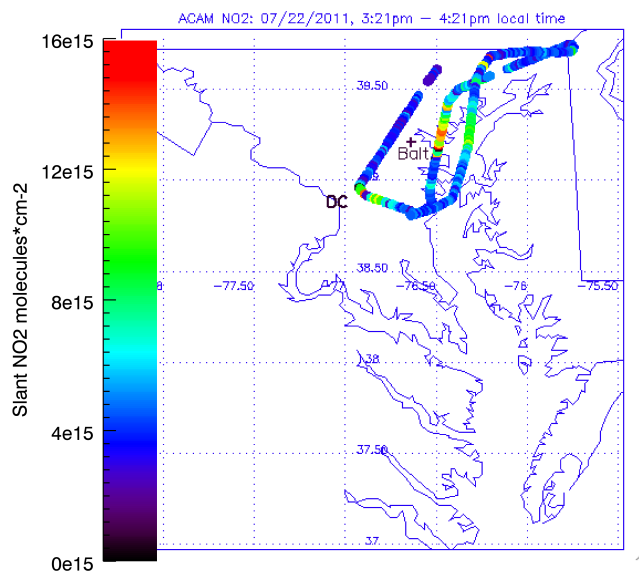
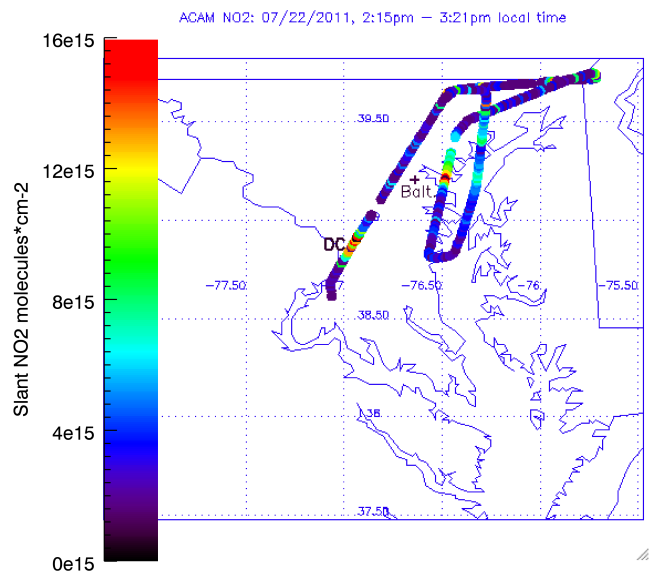
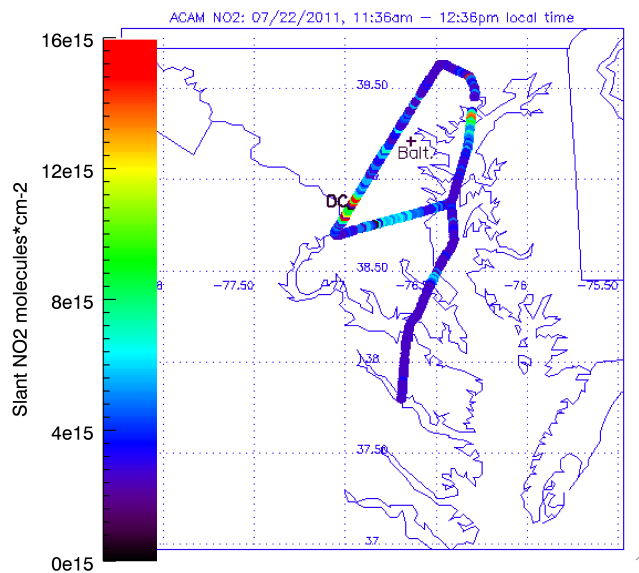
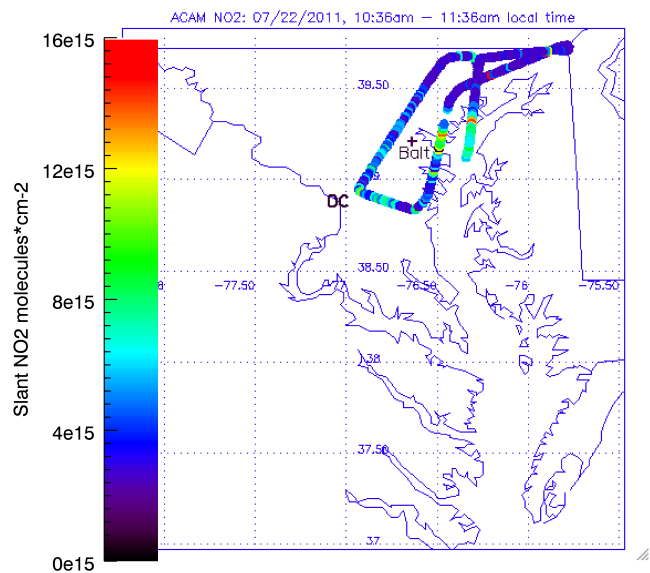
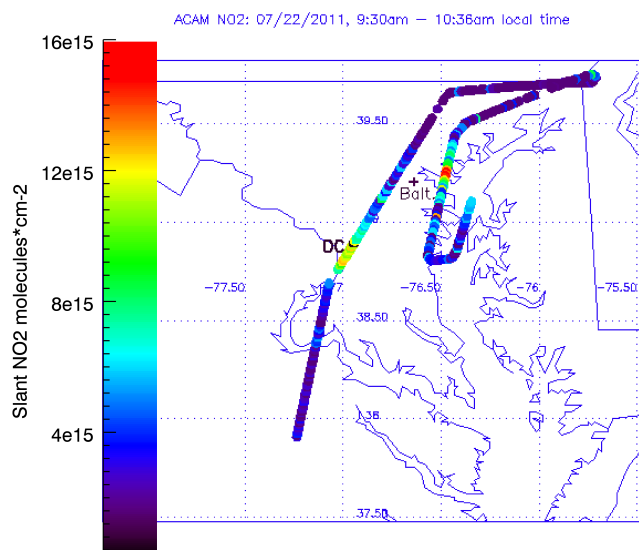
### Science Summary

NO<sub>2</sub> measurements are shown below as differential slant column values relative to an average of spectra taken between the times of 16.2 and 16.6 UTC. NO<sub>2</sub> levels are highly variable with larger peaks occurring along the I-95 corridor during the first segment and the northeast of Baltimore over the Essex/Edgewood sites during the later portions of the second segment as well as enhancements over the bay track.



Time series plots of NO<sub>2</sub> and O<sub>3</sub>.





Preliminary NO<sub>2</sub> data. Swath averaged resolution 7.5km x 1.2km